Geometry + Simulation
Obergurgl, Austria
April 20, - April 23, 2018

G+SMO

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SIMULATION
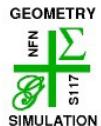
Friday, April 20, 2018

14:00		Check in and lunch
15:00-16:45	Zulehner's group	Jarle Sogn: Multigrid solvers for the biharmonic problem in IgA Clemens Hofreither: Greedy Approximation of Tensors in Tucker Format Katherina Rafetseder: A new approach to mixed methods for Kirchhoff-Love shells
16:45-17:15		Coffee break
17:15-19:00	Jüttler's group	Michael Haberleitner: Extended Isogeometric Segmentation Pipeline Yannick Masson: Template mapping problem and application to isogeometric segmentation Nora Engleitner: Patchwork B-splines
19:00		Dinner

Saturday, April 21, 2018

9:00		Discussion in groups
14:00		Lunch buffet
15:00-16:00	David Großmann	New Spline Technologies within an Industrial Environment
16:00-16:45	Jüttler's group	Angelos Mantzaflaris: Current developments in the G+Smo library
16:45-17:15		Coffee break
17:15-19:00	Scherzer's group	Eric Setterqvist: Investigations of total variation flow and regularization on graphs Alexander Beigl: PAT-constrained optimization
19:00		Dinner

Sunday, April 22, 2018

9:00		Discussion in groups
14:00		Lunch buffet
15:00-16:00	Jens Gravesen	Reducing computational effort in optimization.
16:00-16:45	Rumpf's group	Behrend Heeren: Statistical shape modeling
16:45-17:15		Coffee break
17:15-19:00	Langers's group	17:15-17:30 Ulrich Langer: Overview on new development and results in S117-03 with focus on robust space-time IgA solvers 17:30-18:00 Svetlana Matculevich: Space-Time Adaptive Isogeometric Analysis of Parabolic Initial-Boundary Value Problem 18:00 - 18:30: Stefan Takacs:Robust solvers for Isogeometric analysis 17:30-18:00 Rainer Schneckenleitner: Isogeometric Analysis based Simulation and Shape Optimization with Applications to Electrical Machines
19:00		Dinner

Monday, April, 23, 2018

9:00		Discussion in groups